

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX030620\
 Data File : VX015118.D
 Acq On : 06 Mar 2020 11:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:36:27 AM

Quant Time: Mar 07 00:34:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	62092	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.84	114	336087	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	307083	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	130670	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	11.13	95	142959	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	8.71	98	409536	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	51268	18.490	ug/l 99
3) Chloromethane	1.31	50	77215	21.537	ug/l 99
4) Vinyl Chloride	1.40	62	80519	20.867	ug/l 97
5) Bromomethane	1.64	94	51144	18.927	ug/l 96
6) Chloroethane	1.72	64	50224	19.431	ug/l 97
7) Trichlorofluoromethane	1.92	101	104526	18.613	ug/l 96
8) Diethyl Ether	2.18	74	44426	18.805	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65156	20.068	ug/l 99
10) 1,1-Dichloroethene	2.37	96	63193	19.360	ug/l 99
11) Methyl Iodide	2.50	142	55948	14.107	ug/l 99
12) Methyl Acetate	2.76	43	83597	20.581	ug/l 98
13) Acrolein	2.28	56	88829	109.963	ug/l 99
14) Acrylonitrile	3.12	53	184414	100.534	ug/l 99
15) Acetone	2.43	58	65530	99.823	ug/l 96
16) Carbon Disulfide	2.56	76	165184	18.822	ug/l 98
17) Allyl chloride	2.72	41	116152	20.457	ug/l 94
18) Methylene Chloride	2.84	84	74905	19.917	ug/l 90
19) trans-1,2-Dichloroethene	3.16	96	71070	19.823	ug/l 99
20) Diisopropyl ether	3.84	45	247376	21.333	ug/l 98
21) 1,1-Dichloroethane	3.69	63	130475	20.526	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	81316	19.820	ug/l 95
23) tert-Butyl Alcohol	3.03	59	77946	107.196	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	222127	20.454	ug/l 99
25) Chloroform	5.20	83	133904	20.889	ug/l 94
26) Cyclohexane	5.56	56	115506	20.331	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	95847	20.162	ug/l 99
30) 2-Butanone	4.65	43	270465	98.570	ug/l 100
31) 2,2-Dichloropropane	4.57	77	108413	20.769	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	112103	20.766	ug/l 97
33) Carbon Tetrachloride	5.77	117	97408	20.612	ug/l 92
34) Benzene	6.13	78	296103	20.643	ug/l 98
35) Methacrylonitrile	5.03	41	56670	20.247	ug/l 97
36) 1,2-Dichloroethane	6.18	62	107664	21.205	ug/l 99
37) Trichloroethene	7.20	130	80014	19.867	ug/l 97
38) Methylcyclohexane	7.45	83	118109	20.044	ug/l 100
39) 1,2-Dichloropropane	7.50	63	79231	21.459	ug/l 97
40) Dibromomethane	7.65	93	49016	19.881	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	100657	20.668	ug/l	97
42) Vinyl Acetate	3.80	43	1013549	104.945	ug/l	100
43) Ethyl Acetate	4.81	43	100726	20.288	ug/l	99
44) Isopropyl Acetate	6.43	43	164947	19.763	ug/l	98
45) 1,4-Dioxane	7.73	88	35553	461.015	ug/l	93
46) Methyl methacrylate	7.76	41	79596	19.278	ug/l	96
47) n-amyl Acetate	10.89	43	139929	19.353	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	106380	19.688	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	122437	20.582	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	77272	21.037	ug/l	97
51) Ethyl methacrylate	9.17	69	109130	19.249	ug/l	96
52) 1,3-Dichloropropane	9.36	76	129212	20.794	ug/l	98
53) Dibromochloromethane	9.57	129	79626	20.050	ug/l	99
54) 1,2-Dibromoethane	9.67	107	79224	20.315	ug/l	100
55) 2-Chloroethyl vinyl ether	8.30	63	287073	95.059	ug/l	98
56) Bromoform	10.85	173	59063	18.972	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	515811	102.492	ug/l	100
59) 2-Hexanone	9.48	43	394270	100.266	ug/l	99
61) Tetrachloroethene	9.33	164	81807	19.834	ug/l	99
62) Toluene	8.78	91	320584	20.382	ug/l	99
64) Chlorobenzene	10.13	112	199692	19.890	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	75615	20.333	ug/l	99
66) Ethyl Benzene	10.25	91	352986	20.372	ug/l	100
67) m/p-Xylenes	10.36	106	268874	40.243	ug/l	99
68) o-Xylene	10.69	106	128238	19.837	ug/l	100
69) Styrene	10.71	104	218981	19.833	ug/l	100
70) Isopropylbenzene	11.01	105	350078	20.387	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	112170	20.288	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	93316m	20.347	ug/l	
73) Bromobenzene	11.25	156	90050	19.407	ug/l	96
74) n-propylbenzene	11.35	91	406389	20.793	ug/l	100
75) 2-Chlorotoluene	11.42	91	236402	20.468	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	288501	20.047	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	34258	18.525	ug/l	98
78) 4-Chlorotoluene	11.51	91	273825	20.496	ug/l	98
79) tert-butylbenzene	11.76	119	281579	20.252	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	290764	20.322	ug/l	100
81) sec-Butylbenzene	11.94	105	342361	20.561	ug/l	100
82) p-Isopropyltoluene	12.06	119	308347	19.933	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	161790	19.891	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	159839	19.514	ug/l	98
85) n-Butylbenzene	12.39	91	266307	19.784	ug/l	99
86) Hexachloroethane	12.59	117	54888	19.630	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	160455	19.824	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	21798	18.103	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	109509	18.814	ug/l	99
90) Hexachlorobutadiene	13.78	225	54999	19.026	ug/l	99
91) Naphthalene	13.83	128	313163	19.004	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	113522	19.644	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

